Ministry of
Northern Affairs
and Mines

Ontario

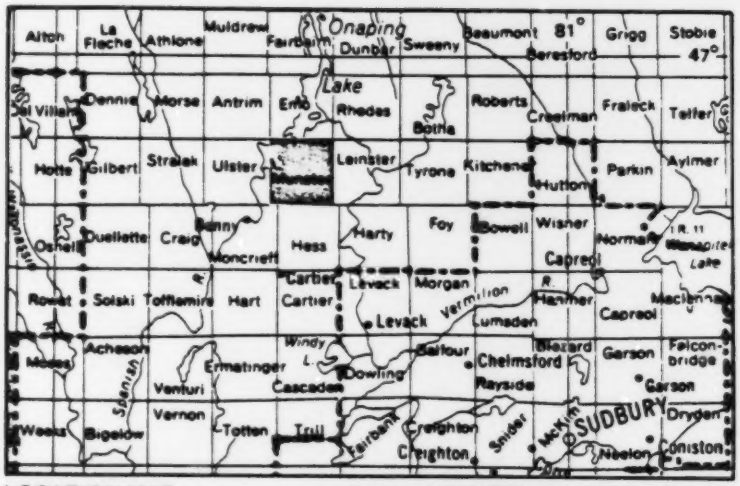
ONTARIO GEOLOGICAL SURVEY
GEOLOGICAL DATA INVENTORY FOLIO

GDIF 241

MUNSTER TOWNSHIP

DISTRICT OF SUDBURY

Compiled by the staff of
the Resident Geologist's Office
Sudbury



LOCATION MAP

Scale 1:1 013 760 or 1 inch to 16 miles

86-0837/

NTS Number 41 I/13, 14

Mining Claim Map Number M 880

STATEMENT: This inventory is unedited. Discrepancies may occur for which the Ontario Geological Survey does not assume liability. Information from this source may be quoted if credit is given. Reference to this inventory should be made as follows:

Ontario Geological Survey
1985: Munster Township, District of Sudbury; Ontario Geological Survey, Geological Data Inventory Folio 241, compiled by the staff of the Resident Geologist's Office, Sudbury, 16p. and 2 maps.

Original Compilation by: de Gagne, Ronn, Feb.27, 1985

Date	Page Revised	Revised by

Date	Page Revised	Revised by

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ACCOMPANYING MAPS

Property Location Map - 1 Map

Exploration Data Map - 1 Map

Map Scale 1: 31 680 or 1 inch to ½ mile

CONVERSION FACTORS FOR MEASUREMENTS IN ONTARIO GEOLOGICAL SURVEY PUBLICATIONS

If the reader wishes to convert imperial units to SI (metric) units or SI units to imperial units the following multipliers should be used:

CONVERSION FROM SI TO IMPERIAL			CONVERSION FROM IMPERIAL TO SI		
SI Unit	*Multiplied by*	*Gives*	*Imperial Unit*	*Multiplied by*	*Gives*
			LENGTH		
1 mm	0.039 37	inches	1 inch	**25.4**	mm
1 cm	0.393 70	inches	1 inch	**2.54**	cm
1 m	3.280 84	feet	1 foot	**0.304 8**	m
1 m	0.049 709 7	chains	1 chain	20.116 8	m
1 km	0.621 371	miles (statute)	1 mile (statute)	**1.609 344**	km
			AREA		
1 cm^2	0.155 0	square inches	1 square inch	**6.451 6**	cm^2
1 m^2	10.763 9	square feet	1 square foot	**0.092 903 04**	m^2
1 km^2	0.386 10	square miles	1 square mile	2.589 988	km^2
1 ha	2.471 054	acres	1 acre	0.404 685 6	ha
			VOLUME		
1 cm^3	0.061 02	cubic inches	1 cubic inch	**16.387 064**	cm^3
1 m^3	35.314 7	cubic feet	1 cubic foot	0.028 316 85	m^3
1 m^3	1.308 0	cubic yards	1 cubic yard	0.764 555	m^3
			CAPACITY		
1 L	1.759 755	pints	1 pint	0.568 261	L
1 L	0.879 877	quarts	1 quart	1.136 522	L
1 L	0.219 969	gallons	1 gallon	**4.546 090**	L
			MASS		
1 g	0.035 273 96	ounces (avdp)	1 ounce (avdp)	28.349 523	g
1 g	0.032 150 75	ounces (troy)	1 ounce (troy)	**31.103 476 8**	g
1 kg	2.204 62	pounds (avdp)	1 pound (avdp)	**0.453 592 37**	kg
1 kg	0.001 102 3	tons (short)	1 ton (short)	**907.184 74**	kg
1 t	1.102 311	tons (short)	1 ton (short)	**0.907 184 74**	t
1 kg	0.000 984 21	tons (long)	1 ton (long)	**1016.046 908 8**	kg
1 t	0.984 206 5	tons (long)	1 ton (long)	**1.016 046 908 8**	t
			CONCENTRATION		
1 g/t	0.029 166 6	ounce (troy)/ ton (short)	1 ounce (troy)/ ton (short)	34.285 714 2	g/t
1 g/t	0.583 333 33	pennyweights/ ton (short)	1 pennyweight/ ton (short)	1.714 285 7	g/t

OTHER USEFUL CONVERSION FACTORS

1 ounce (troy)/ton (short)	20.0	pennyweights/ton (short)
1 pennyweight/ton (short)	0.05	ounce (troy)/ton (short)

One gram(g) per tonne is equivalent to one part per million (1 ppm).

NOTE–Conversion factors which are in bold type are exact. The conversion factors have been taken from or have been derived from factors given in the Metric Practice Guide for the Canadian Mining and Metallurgical Industries published by The Mining Association of Canada in co-operation with the Coal Association of Canada.

DATA SOURCES CHECK LIST

NOTE: The following sources have been searched to compile the data for this area. If no reference data was found the appropriate box is marked 'no'; if reference data was found, the box is marked 'yes'.

All reference data found are included in the following pages. If the box is blank, the data source has not yet been searched. If the box is marked N.A., the source item is Not Applicable to this area and therefore not searched.

	SOURCES OF DATA	Data	Initial
1	Resident Geologist's Office Files	Yes	R.D.
2	Assessment Files Research Office, Toronto	N.A.	R.D.
3	ODM General Index; 9 Volumes	Yes	R.D.
4	Catalogue of Airborne Geophysical Surveys (ODM)	Yes	R.D.
5	ODM Mineral Resources Circulars and OGS Mineral Deposits Circulars	Yes	R.D.
6	ODM Industrial Mineral Reports	No	R.D.
7	Bibliography of Post Precambrian Theses - Karrow (ODM MP 1)	No	R.D.
8	Bibliography of Precambrian Theses - Ginn (ODM MP 2)	Yes	R.D.
9	Newspaper Clippings File	Yes	R.D.
10	GSC Index to Publications	Yes	R.D.
11	OGS Index to Published Maps and Reports - MP 77 and Supplements to MP 77	Yes	R.D.
.2	OGS Index Maps	Yes	R.D.
13	Source Mineral Deposit Records (O.G.S.) Mineral Occurrences File	Yes	R.D.
14	Author - Subject Articles File	Yes	R.D.
15	Miscellaneous Papers: ODM & OGS	Yes	R.D.
16	ODM Geological Circulars: OGS Study Series	Yes	R.D.
17	ODM Preliminary Reports: ODM Bulletins	No	R.D
18	ODM – OGS Open File Reports	Yes	R.D.
19	OGS Northern Ontario Engineering Geology Terrain Studies	Yes	R.D.
20	OGS Aggregate Resources Inventory Papers	No	R.D.
21	OGS Mineral Potential Maps	Yes	R.D.
22	Theses on File, Sudbury	Yes	R.D.
23	Aerial Photographs on file, Sudbury	Yes	R.D.

METALS AND MINERALS REFERENCES LIST

- Δ anh. . . . . .Anhydrite
- Δ ank. . . . . .Ankerite
- Δ anna . . . . . Annabergite
- Δ ap. . . . . .Apatite
- Δ arg . . . . . Argentite
- Δ As . . . . . .Arsenic
- Δ asp . . . . . .Arsenopyrite
- Δ asb . . . . . .Asbestos
- Δ ba. . . . . .Barite
- Δ be. . . . . Beryl
- Δ Bi. . . . . .Bismuth
- Δ bn . . . . . .Bornite
- Δ bran . . . . . .Brannerite
- Δ bruc . . . . . .Brucite
- Δ Cd . . . . . Cadmium
- Δ calc. . . . . Calcite
- Δ carb . . . . . .Carbonate
- Δ cel . . . . . .Celestite
- Δ cc. . . . . .Chalcocite
- Δ cp. . . . . .Chalcopyrite
- Δ ch. . . . . .Chert
- Δ clay . . . . . .Clay
- Δ Co . . . . . Cobalt
- Δ cob. . . . . Cobaltite
- Δ cb. . . . . .Columbite
- Δ Cu . . . . . .Copper
- Δ cor . . . . . Corundum
- Δ dol . . . . . Dolomite
- Δ ep. . . . . Epidote
- Δ ery . . . . . Erythrite
- Δ fel . . . . . .Feldspar
- Δ fl . . . . . .Fluorite (fluorspar)
- Δ fu. . . . . .Fuchsite
- Δ gn. . . . . .Galena
- Δ gt. . . . . .Garnet
- Δ goe. . . . . .Goethite
- Δ Au . . . . . Gold
- Δ gf. . . . . .Graphite
- Δ gl . . . . . Gravel
- Δ gyp. . . . . .Gypsum
- ▲ hem . . . . . Hematite
- Δ il . . . . . Ilmenite
- ▲ Fe . . . . . .Iron
- Δ IF. . . . . Iron Formation
- Δ jas . . . . . Jasper
- Δ kaol . . . . . .Kaolinite (kaolin)
- Δ ky . . . . . Kyanite
- Δ Pb . . . . . Lead
- Δ lim . . . . . Limonite
- Δ Li. . . . . Lithium
- Δ mgst . . . . . .Magnesite
- ▲ mag . . . . . .Magnetite
- Δ mc . . . . . Malachite
- Δ Mn . . . . . Manganese
- Δ mb . . . . . Marble
- Δ mar. . . . . Marcasite
- Δ ma . . . . . .Marl
- Δ mi . . . . . Mica
- Δ ml . . . . . Millerite
- Δ mo . . . . . Molybdenite
- Δ Mo . . . . . .Molybdenum
- Δ mon . . . . . Monazite
- Δ ne. . . . . Nephelite (nepheline)
- Δ nc. . . . . .Niccolite
- Δ Ni. . . . . Nickel
- Δ Nb . . . . . .Niobium
- Δ Pd . . . . . .Palladium
- Δ peat . . . . . .Peat
- Δ pent . . . . . .Pentlandite
- Δ Pt. . . . . .Platinum
- Δ py . . . . . .Pyrite
- Δ pyl . . . . . Pyrochlore
- Δ pyrl . . . . . .Pyrolusite
- Δ po . . . . . .Pyrrhotite
- Δ q . . . . . Quartz
- Δ qcv. . . . . .Quartz carbonate vein
- Δ ra. . . . . .Radioactive minerals
- Δ RE . . . . . .Rare Earths
- Δ sd. . . . . Sand
- Δ sgl . . . . . Sand and gravel
- Δ ss . . . . . .Sandstone
- Δ scap . . . . . Scapolite
- Δ shee . . . . . .Scheelite
- Δ serp . . . . . Serpentine
- Δ sh. . . . . .Shale
- Δ sid . . . . . Siderite
- Δ si . . . . . .Silica
- Δ Ag . . . . . .Silver
- Δ sl . . . . . Slate
- Δ sm . . . . . .Smaltite
- Δ sod. . . . . Sodalite
- Δ spec . . . . . Specularite
- Δ sp. . . . . .Sphalerite
- Δ spd. . . . . .Spodumene
- Δ staur . . . . . .Staurolite
- Δ stib. . . . . Stibnite
- Δ st . . . . . .Stone
- Δ talc. . . . . .Talc
- Δ Te . . . . . .Tellurium
- Δ td. . . . . Tetrahedrite
- Δ th. . . . . .Thorite
- Δ Th . . . . . .Thorium
- Δ thuc . . . . . Thucholite
- Δ ti . . . . . Titanite
- Δ Ti. . . . . Titanium
- Δ tour . . . . . .Tourmaline
- Δ trap . . . . . .Trap rock
- Δ W. . . . . Tungsten
- Δ uran . . . . . Uraninite
- Δ U . . . . . .Uranium
- Δ verm . . . . . .Vermiculite
- Δ Y . . . . . Yttrium
- Δ Zn . . . . . .Zinc
- Δ zr. . . . . .Zircon
- ▲ s . . . . . .Sulphide

Solid triangles indicate metal and mineral occurrences shown on the accompanying maps.

MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
A	Barry Property Occurrence	Fe			O.D.M. Map P.287 O.D.M. Vol.38, pt.7, p.52-68
B	Barry Holland (Geneva Lake Prospect)	Fe,mag,hem	Fe 1	MRC11, p.352	O.D.M. Map 2170 O.D.M. Map 287 G.S.C. Map 1525G O.G.S. Map 2361. O.G.S. Map 2491 O.D.M. I.O.C., p.208
C	Munster Township Occurrence	Fe			O.D.M. Map 2170
D	Munster Twp. Magnetite Deposit	Fe, mag			O.G.S. Map 2435 O.D.M. Map P.1108 O.D.M. Map P.949
E	Munster Sulphide Occurrence	S			O.D.M. Map P.1107, P.1108 O.D.M. Map P.949

GDIF FORM NO. 1

TYPE OF WORK		Numbers below represent the year in which the work was done; e.g., 68 for 1968.																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE SUDBURY COMPANY/AUTHOR (file number)		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
1	B and M Exploration Ltd.				58							51								
2	Chevron Standard Ltd.		75																	
3	Chevron Standard Ltd. (Tex Sol Explorations Ltd.)	78																		
4	Descarreaux and Assocs.									73										
5	Dome Exploration Can. Ltd.								75		75									
6	Inco Ltd.				67															
7	Rio Tinto (Can.) Explorations Ltd.	81							81	81										
8	Tex Sol Explorations Ltd.									73		75	75							
9	Vallee, C. (Tex Sol. Expl. Ltd.)											74	74							
10	Vannier, E. (Aldvan Project)				68															

MUNSTER TOWNSHIP

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth Degrees	Initial Dip of Hole Degrees	Thickness of Overburden Feet	Total Length of Hole Feet	Mineralization Noted in Log	Assay Data Included for
1	B and M Expl. Ltd.	1	1956	140	45	15	345	mag,hem	Fe
2		2	1957	140	45	7	542	hem,py,mag	-
3		1	1958	-	90	4	106	mag	-
4		2	1958	-	90	5	75	mag,hem	-
5		3	1958	-	45	10	90	-	-
6		4	1958	-	45	7	103	mag,hem	-
6a		5	1958	-	90	3	106	mag,hem	-
6b		6	1958	-	45	5	90	mag,hem	-
7		7	1958	-	45	3	50	mag,hem	-
8		8	1958	-	45	4	100	mag,hem	-
9	INCO Ltd.	33315	1967	N	45	6.5	388	-	-
10	Vannier, E. (Aldvan Project)	A-1	1968	S60E	75	-	102	mag,py,hem	-
11		A-2	1968	S60E	50	-	204	hem,mag,py	-
12		A-3	1968	S60W	45	-	190	mag,hem	-
13		A-4	1968	S60E	45	17	204	mag	-
14		B-1	1968	S70E	45	-	133	hem,mag,py	-
14a		B-2	1968	N70W	45	-	133	mag,py	-

GDIF FORM NO. 3

AIRBORNE GEOPHYSICAL SURVEY DATA

No.	By For	Type of Survey	Flight Altitude Feet	Flight Line Direction	Flight Line Spacing
4	? J. Descarreaux and Assoc.	Airborne electromagnetic	?	?	?
5	Geoterrex Ltd. Dome Expl. (Canada) Ltd.	Airborne magnetic Airborne radiometric	150-200	325°-145°	1/8 mi.
7	Aerodat Ltd. Rio Tinto (Can.) Expl. Ltd.	Airborne Electromagnetic Airborne Magnetic	125	N-S	200 metres
8	Questor Surveys Ltd. Tex Sol Expl. Ltd.	Airborne Electromagnetic	150	Normal S	1/8 mi.

GDIF FORM NO. 4

MUNSTER TOWNSHIP

GEOCHEMICAL SURVEY DATA

Map Sample Site Reference Number	Type of Survey	Analysis For	By	Reference
2	Soil Sampling	Cu,Pb,Zn	Chevron Standard Ltd.	Sudbury File Hess 0018

GDIF FORM NO. 5

MISCELLANEOUS DATA

AGE DATING

Site	Method	Material	Reference	Result

NEWSPAPER CLIPPINGS FILE

NOTE: A file of newspaper clippings about the companies listed below, who have worked in this area, is maintained in the Regional/Resident Geologist's Office.

Saskalon Uranium and Oils Ltd.

Northern Miner, Jan.8, 1976

ODM GENERAL INDEX SEARCH

Words searched:

BARRY, G.
B and M EXPL. LTD.
BENNY LAKE AREA
CANADIAN NICKEL CO. LTD.
CHEVRON STANDARD LTD.
DOME EXPL. CANADA LTD.
GENEVA LAKE
GREENSTONE
HOLLAND BARRY PROSPECT
INCO LTD.
MUNSTER TWP.
RIO TINTO CANADA LTD.

Index Volume	Listing:	Report Volume	Part	Page
6	B and M EXPL. LTD.			
	Incorporated	66	1	31
8	BENNY LAKE AREA			
	Summary of Field Work, 1973	MP56		111-117
	Summary of Field Work, 1974	MP59		132-138
3	CANADIAN NICKEL CO. LTD.			
	Incorporated	46	1	59
2	GENEVA LAKE, MUNSTER TWP.			
	Iron claim, exploratory work	I.O.[1]		208
	land near	35	1	30
	sand plains near	29	1	207
8	GENEVA LAKE, MUNSTER TWP.			
	Geneva Lake Prospect, report on mining property	MRC11		352-353
2	MUNSTER TWP.			
	claims staked	32	1	44
	iron claims, character of ore	I.O[1]		208
8	MUNSTER TWP.			
	Iron	MRC11		352-353
6	RIO TINTO CANADA LTD.			
	Incorporated	65	1	35
	Name changed	66	1	37
9	RIO TINTO CANADA LTD.			
	Sudbury Area, Sudbury District	MP91		63
5	SASKALON URANIUM AND OILS LTD.			
	Change of name	64	1	60
6	VAL RAY EXPL. LTD.			
	Change of name	66	1	37

[1] refers to Report of the Iron Ore Committee

GDIF FORM NO. 9

ODM GENERAL INDEX SEARCH

Words searched:

Index Volume	Listing:	Report Volume	Part	Page

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
		REGIONAL GEOLOGICAL COMPILATION MAPS		
Card, K. D.	1965	Cartier Sheet	O.D.M. Map P.287	1"=2 mi.
Card, K. D.	1966-67	Sudbury Mining Area, Sudbury District	O.D.M. Map 2170	1"=1 mi.
Card, K. D., Innes, D. G.	1976	Benny Area, Geneva-Munster Lake Sheet	O.G.S. Map P.1108	1"=¼ mi.
Card, K. D., Innes, D. G.	1974	Benny Area, Hess Lake Sheet	O.G.S. Map P.949	1"=¼ mi.
Card, K. D., Innes. D. G.	1974	Benny Area, Moncrieff Creek Sheet	O.G.S. Map P.948	1"=¼ mi.
Card, K. D., Innes, D. G.	1976	Benny Area, Stralak-Bannerman Lake Sheet	O.G.S. Map P.1107	1"=¼ mi.
Card K. D., Innes, D. G.	1980	Geneva Lake Sheet	O.G.S. Map 2435	1"=½ mi.
Card, K. D., Lumbers,S.B.	1974-75	Sudbury-Cobalt Area (revised)	O.G.S. Map 2361	1"=4 mi.
Dressler, B. O.	1984	Sudbury Geological Compilation	O.G.S. Map 2491	1:50,000
	1983	Sudbury Mining Area Western Part, Sudbury District	O.C.S. Map P.2602	1:50,000
		GEOPHYSICAL MAPS		
Gupta, V. K., Wadge, D. R.	1980	Bouguer Gravity and Generalized Geology Sudbury and Onaping Lake Area	O.G.S. Map P.2297	1"=100,000
O.D.M.-G.S.C.	1960	Aeromagnetic Map Pogamasing, Ontario	Map 1525G	1"=1 mi.
	1960	Aeromagnetic Map Sudbury, Ontario	Map 7067G	1"=4 mi.
	1960	Aeromagnetic Map Venetian Lake, Ontario	Map 1519G	1"=1 mi.

GDIF FORM NO.9

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
O.G.S.-G.S.C.	1978	Uranium Reconnaissance Program Airborne Gamma Ray Spectrometer Survey Sudbury Sheet	Map P.1610	1:250,000
		SURFICIAL, PLEISTOCENE, TERRAIN ENGINEERING		
Dept. of Energy, Mines and Resources	1975	Topographic Maps Pogamasing Sheet Venetian Lake Sheet		 1:50,000 1:50,000
Gartner, J. F.	1980	N.O.E.G.T. Study 94, Cartier N.O.E.G.T.S. Data Base Map, Cartier	 Map 5000	 1:100,000
		MINERAL POTENTIAL MAPS		
Innes, D. G., Jost, M.	1977	Nickel Deposits of Ontario East Central Sheet	O.G.S. Map P.1062	1"=16 mi.
Meyn, H. D., Howarth,J.R.	1977	Molybdenum Deposits of Ontario East Central Sheet	O.G.S. Map P.1246	1"=16 mi.
O.G.S. and Mineral Resources Branch	1982	Mineral Potential Map of Ontario East Central Sheet	OFR5327	1"=16 mi.
Springer, J.	1977	Ontario Mineral Potential North Part of Sudbury Sheet and Part of North Bay Sheet	O.G.S. Map P.1512	1:250,000
		GEOCHEMICAL		
		None as of Feb.27, 1985		
		GEOLOGICAL REPORTS AND MAPS		
Adlington, R.	1981	Sudbury Data Map Series Munster Township, Sudbury District	O.G.S. Map P.2138	1"=¼ mi.

GDIF FORM NO.9

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
Card, K. D., Innes, D. G.	1981	Geology of the Benny Area Sudbury District	O.G.S. GR206 Map 2434 Map 2435	1:250,000 1"=½ mi. 1"=½ mi.
Card, K. D., Innes, D. G.	1974	Summary of Field Work, 1974	O.D.M. MP59	pp.132-138
Dressler, B. O.	1976	Emo Township	O.G.S. Map P.1089	1"=¼ mi.
Kustra, C. R.	1977	Annual Report of the Regional and Resident Geologists , 1976	O.G.S. MP71	
Milne, V. G., White,O.L., Barlow, R. B.,Robertson, J. A. and Colvine, A. C.	1980	Summary of Field Work, 1980	O.G.S. MP96	p.136,137
Osborne, F. F.	1929	The Cartier-Stralak Area District of Sudbury	O.D.M. AR. Vol. 38, pt.7, Map 38H	p.52-68 1"=1 mi.
Thomson, J. E.	1960	Uranium and Thorium Deposits at the Base of the Huronian System in the District of Sudbury	O.D.M. GR1 Chart A	
		JOURNAL ARTICLES, THESES AND TECHNICAL REPORTS		
Boyle, R. W.	1976	Mineralization Processes in Archean Greenstone and Sedimentary Belts	G.S.C. Sudbury Files	p.29-31
Guthrie, A. E.	1980	Volcanic Stratigraphy of the Geneva Lake Greenstone Belt, Ontario. M.Sc. Weston	Ontario Theses File	

MUNSTER TOWNSHIP

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages

GDIF FORM NO. 9

NOTES AND ADDENDA

Aerial Photographs Index

Scale 1"=¼ mi.

Year	Roll	Line	Number
1959	66	4634	35-39
	66	4633	81-85
1973	28	4637	56-62
	27	4636	151-156
	26	4635	196-200
	25	4634	241-247

GDIF FORM NO.10

EMO TOWNSHIP

Lower

Onaping

Lake

Nut

Bay

Creek

Munster

Cr.

Munster

L

Munster

ULSTER TOWNSHIP

LEINSTER TOWNSHIP

46°52' 30"

81° 28' 00"

8

4

4.8

7

4,7,8

2,3

10

Ontario

Ministry of
Northern Af
and Mines

ONTARIO GEOLOG

PROPERTY LOC

GEOLOGICAL DATA INV

(Map 1

MUNSTER T

DISTRICT OF

Scale 1:

Mile 0.5 0

Kilometre 0.5 0

EMO TOWNSHIP

81° 28' 00"

46° 52' 30"

Nut Bay

Creek

Munster Cr.

Munster L

LEINSTER TOWNSHIP

Ministry of Northern Affairs and Mines

Ontario

René Fontaine
Minister

David Hobbs
Deputy Minister

ONTARIO GEOLOGICAL SURVEY

PROPERTY LOCATION MAP

GEOLOGICAL DATA INVENTORY FOLIO 241

(Map **1** of **2**)

MUNSTER TOWNSHIP

DISTRICT OF SUDBURY

Scale 1:31 680

Mile 0.5 0 0.5 1 Mile

Kilometre 0.5 0 0.5 1 Kilometre

GEOLOGICAL DATA INVENTE

(Map 1 of 2

MUNSTER TO

DISTRICT OF SUD

Scale 1:31 680

Mile 0.5 0

Kilometre 0.5 0 0.5

ULSTER TOWNSHIP

LEINSTER TOWNSHIP

HESS TOWNSHIP

46°52' 30"

81°33' 00"

46°48' 30"

Lake

Nut

Bay

Creek

Munster

Munster Cr.

Munster L.

EXPLORATION DATA

■ ① ⑧ Reference number is always
See listing in text pages.

□ x ④ Small area of exploration.

GEOLOGICAL DATA INVENTORY FOLIO 241

(Map 1 of 2)

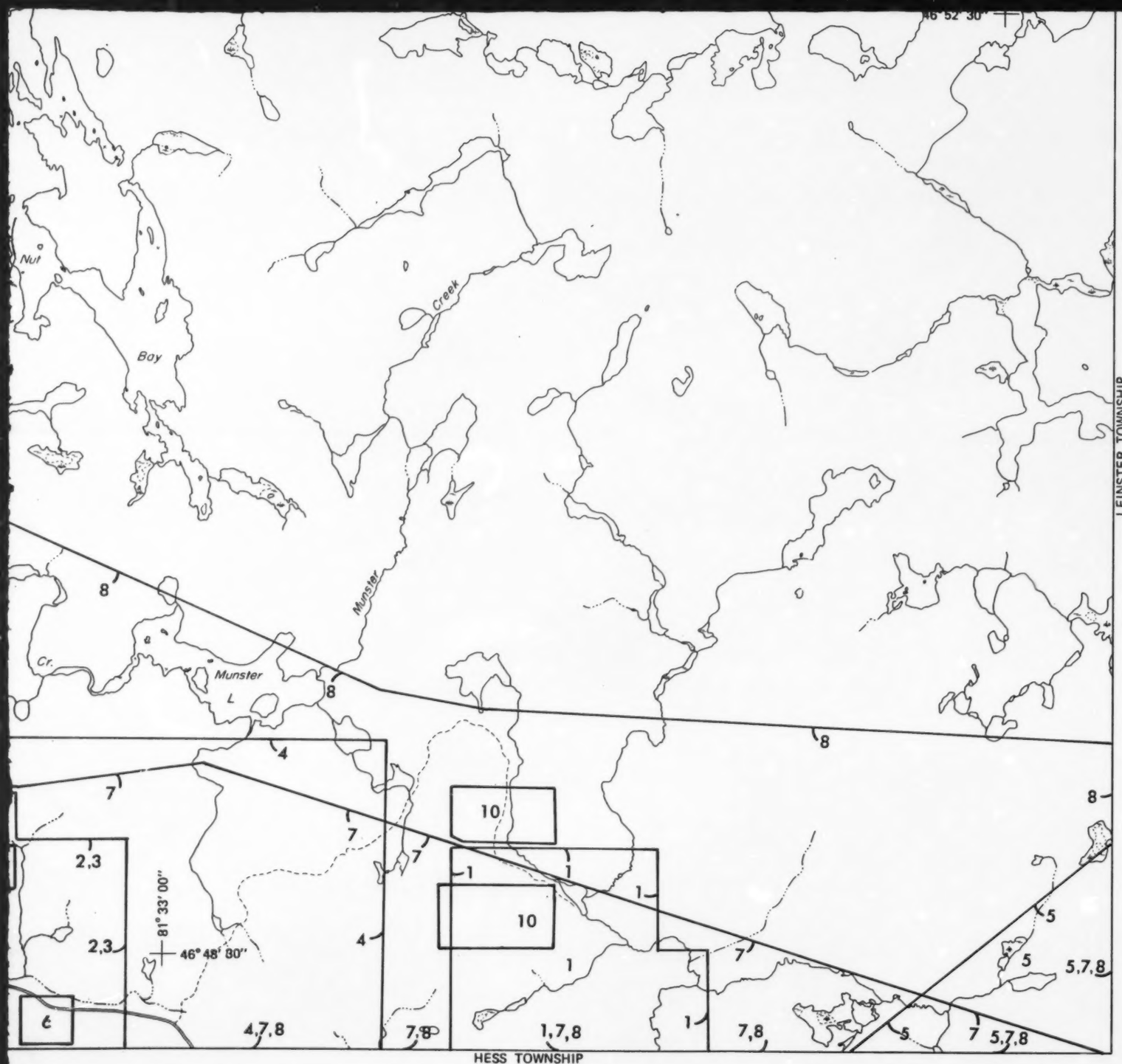
MUNSTER TOWNSHIP

DISTRICT OF SUDBURY

Scale 1:31 680

Mile 0.5 0 0.5 1 Mile

Kilometre 0.5 0 0.5 1 Kilometre



EXPLORATION DATA FILE AREAS

■ ① ⑥ Reference number is always inside work area outlined. See listing in text pages.

□ x ④ Small area of exploration.

TYPES OF DATA SHOWN ON THIS MAP

GEOCHEMICAL AND GEOCHRONOLOGICAL DATA

- Geochemical sample site, with reference number
- Area of geochemical sampling, with reference number
- Age dating material sampling site, with reference number

GEOPHYSICAL ANOMALIES

- Airborne Magnetometer Anomaly
- Airborne Electromagnetometer Anomaly
  Length of anomaly along flight line
- Airborne Electromagnetometer Anomaly.
  Location of anomaly along flight line
- Airborne Electromagnetometer Anomaly
  Conductor Axis: definite, probable, possible
- Airborne Radiometric Anomaly
- Ground Magnetometer Anomaly
- Ground Electromagnetometer Anomaly
  (VL - Vertical Loop; HL - Horizontal Loop;
  VLF - Very low freq; Turam; JEM -
  Crone EM - 16)
- Ground Radiometric Anomaly
- Induced Polarization Anomaly
- Self Potential Anomaly
- Audio-frequency magnetometer anomaly
  (total intensity)
- Resistivity Anomaly
- Gravity Anomaly

MISCELLANEOUS DATA

- Trenching, pit
- Rock quarry
- Adit
- Sand and/or gravel pit

EMO TOWNSHIP

ULSTER TOWNSHIP

Lower Onaping Lake

Nut Bay

Creek

Munster Cr.

Munster

Munster L

46° 52' 30"

81° 28' 00"

EMO TOWNSHIP

Lower

Lake

Nut

Bay

Creek

Munster

Munster

Cr.

Munster

L

LEINSTER TOWNSHIP

46° 52' 30"

81° 28' 00"

M

AEM

Ontario

Ministry of Northern Affairs and Mines

René Fontaine
Minister
David Hobbs
Deputy Minister

ONTARIO GEOLOGICAL SURVEY

EXPLORATION DATA MAP

GEOLOGICAL DATA INVENTORY FOLIO 241

(Map **2** of **2**)

MUNSTER TOWNSHIP

DISTRICT OF SUDBURY

Scale 1:31 680

Mile 0.5 0 0.5 1 Mile

Kilometre 0.5 0 0.5 1 Kilometre

GEOLOGICAL AND MINING SYMBOLS

TYPES OF DATA SHOWN ON THIS MAP

MINERAL OCCURRENCES

- cp A. — Mineral occurrence at surface, with reference letter
- Au A. 84' — Mineral occurrence with shaft, depth given with reference letter
- Ag ? A. — Mineral occurrence reported but exact location uncertain, with reference letter
- cp A. — Mineralized Float with reference letter

DRILL HOLES

- ●2 — Location of single drill hole, with reference number
- ◉2 — Location of closely spaced group of drill holes, with reference number
- ?2 — Drill hole, exact location uncertain, with reference number

GEOPHYSICAL ANOMALIES

- AM — Airborne Magnetometer Anomaly
- Airborne Electromagnetometer Anomaly
  Length of anomaly along flight line
- Airborne Electromagnetometer Anomaly.
  Location of anomaly along flight line
- Airborne Electromagnetometer Anomaly
  Conductor Axis: definite, probable, possible
- ARA — Airborne Radiometric Anomaly
- M — Ground Magnetometer Anomaly
- VL — Ground Electromagnetometer Anomaly
  (VL - Vertical Loop; HL - Horizontal Loop;
  VLF - Very low freq; Turam; JEM -
  Crone EM - 16)
- RA — Ground Radiometric Anomaly
- IP — Induced Polarization Anomaly
- SP — Self Potential Anomaly
- AFMAG — Audio-frequency magnetometer anomaly
  (total intensity)
- R — Resistivity Anomaly
- GR — Gravity Anomaly
-

MISCELLANEOUS DATA

- Trenching, pit
- Adit
- Open pit
-
- Rock quarry
- Sand and/or gravel pit
- Shaft

NOTE: Consult the text that accompanies this map for pertinent lists of data, references, and abbreviations.

GEOLOGICAL DATA INVENTORY FOLIO 241

(Map 2 of 2)

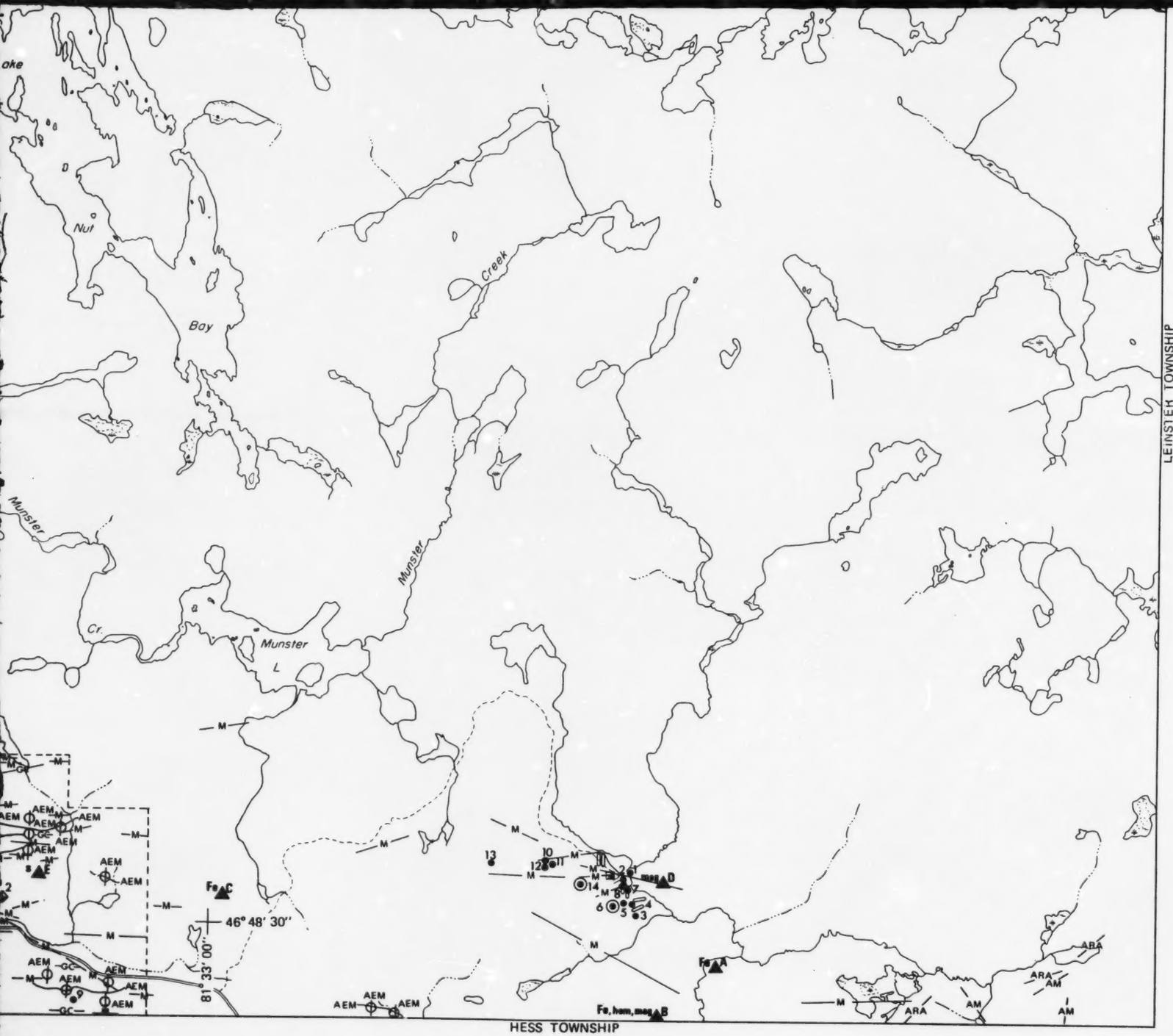
MUNSTER TOWNSHIP

DISTRICT OF SUDBURY

Scale 1:31 680

Mile 0.5 0 0.5 1 Mile

Kilometre 0.5 0 0.5 1 Kilometre



GEOLOGICAL AND MINING SYMBOLS

TYPES OF DATA SHOWN ON THIS MAP

MINERAL OCCURRENCES

- cp A. — Mineral occurrence at surface, with reference letter
- Au A. 84' — Mineral occurrence with shaft, depth given with reference letter
- Ag ? A. — Mineral occurrence reported but exact location uncertain, with reference letter
- cp A. — Mineralized Float with reference letter

DRILL HOLES

- ●² — Location of single drill hole, with reference number
- ◉² — Location of closely spaced group of drill holes, with reference number
- (?)² — Drill hole, exact location uncertain, with reference number.
- Property with underground drill holes in this general area, with reference number
- ○² — Property with drill holes which have not been plotted on map, with reference number
- ⊕² — Reverse Circulation Drill Hole; Churn drilling, with reference number